

AMENDMENTS TO THE CLAIMS

1-9 (CANCELLED.)

10. (New) A method of arranging frequency converters in a cabinet comprising:
placing the frequency converters one above the other in a first section of the cabinet;
passing a cooled medium from a second section to a third section of the cabinet such that
the cooled medium flows substantially across parts included in the respective frequency
converters, said second and third sections being on adjacent sides of the first section; and
arranging supply voltage and load cabling connected to the frequency converters in at
least one of the second or third sections of the cabinet.

11. (New) The method of claim 10, wherein the parts of the frequency converters
include power units powering the frequency converters, and wherein passing the cooled medium
passes the cooled medium across the power units.

12. (New) The method of claim 11, wherein placing the frequency converters
comprises:
placing the power units of the frequency converters at a back of the cabinet;
placing control units of the frequency converters at a front of the cabinet; and
separating the front and back of the cabinet with a wall.

13. (New) The method of claim 12, wherein the cooled medium is pumped through a portion of the back of the cabinet to directly cool the power units of the frequency converters.

14. (New) The method of claim 10, wherein passing the cooled medium comprises:
placing individual fans near each side surface of the respective frequency converters so the cooled medium is forced to flow substantially horizontally through the frequency converters.

15. (New) The method of claim 10, wherein forcing the cooled medium comprises:
placing a common fan in the second or third sections so the cooled medium pumped is forced to flow substantially horizontally through the frequency converters.

16. (New) The method of claim 10, wherein the cooled medium comprises cooled air or cooled liquid.

17. (New) The method of claim 16, wherein when the cooled medium comprises cooled liquid, the method further comprises placing liquid couplings to piping in the second and third sections of the cabinet.

18. (New) The method of claim 16, wherein when the cooled medium comprises cooled liquid, the method further comprises placing liquid couplings to piping only in the second or third sections of the cabinet.

19. (New) The method of claim 10, wherein arranging the supply voltage and load cabling comprises:

arranging outgoing cabling attached to an output of the frequency converters in the second section such that the outgoing cables exit the cabinet at a lower portion of the second section; and

arranging incoming cabling attached to an input of the frequency converters in the third section such that the incoming cables come into the cabinet at an upper portion of the third section.

20. (New) The method of claim 10, wherein arranging the supply voltage and load cabling comprises:

arranging outgoing cabling attached to an output of the frequency converters and incoming cables attached to an input of the frequency converters together in the second or third sections.

21. (New) The method of claim 10, wherein passing the cooled medium comprises:
pumping the cooled medium into a lower portion of the second section of the cabinet;
forcing the cooled medium pumped into the lower portion through sides of the frequency converters such that the cooled medium flows substantially horizontally across the parts included in the respective frequency converters; and

allowing the cooled medium to escape the cabinet via an opening in an upper portion of the third space of the cabinet.

22. (New) A frequency converter cabinet comprising:

frequency converters stacked one above the other in a first section of the cabinet;

a forcing unit configured to pass a cooled medium from a second section to a third section of the cabinet such that the cooled medium flows substantially across parts included in the respective frequency converters, said second and third sections being on adjacent sides of the first section,

wherein the second and third section of the cabinet are configured to be arranged with supply voltage and load cabling connected to the frequency converters.

23. (New) The cabinet of claim 22, wherein the parts of the frequency converters include power units powering the frequency converters, and wherein the forcing unit passes the cooled medium across the power units.

24. (New) The cabinet of claim 23, wherein the power units of the frequency converters are disposed at a back of the cabinet, control units of the frequency converters are disposed at a front of the cabinet, and a wall separates the front and back of the cabinet.

25. (New) The cabinet of claim 24, wherein the cooled medium is pumped through a portion of the back of the cabinet to directly cool the power units of the frequency converters.

26. (New) The cabinet of claim 22, wherein the forcing unit comprises:

individual fans disposed near each side surface of the respective frequency converters so the cooled medium pumped is forced to flow substantially horizontally through the frequency converters.

27. (New) The cabinet of claim 22, wherein the forcing unit comprises:

a common fan disposed in the first side space so the cooled medium pumped is forced to flow substantially horizontally through the frequency converters.

28. (New) The cabinet of claim 22, wherein the cooled medium comprises cooled air or cooled liquid.

29. (New) The cabinet of claim 28, wherein when the cooled medium comprises cooled liquid, the cabinet further includes liquid couplings to piping disposed in the second and third sections of the cabinet.

30. (New) The cabinet of claim 28, wherein when the cooled medium comprises cooled liquid, the cabinet further includes liquid couplings to piping disposed only in the second or third sections of the cabinet.

31. (New) The cabinet of claim 22, wherein the second section of the cabinet is configured to receive outgoing cabling attached to an output of the frequency converters such that the outgoing cables exit the cabinet at a lower portion of the second section, and

wherein the third section of the cabinet is configured to receive incoming cabling attached to an input of the frequency converters such that the incoming cables come into the cabinet at an upper portion of the third section.

32. (New) The cabinet of claim 22, wherein the second or third section is configured to receive both outgoing cabling attached to an output of the frequency converters and incoming cables to an input of the frequency converters.

33. (New) The cabinet of claim 22, wherein the forcing unit forces the cooled medium pumped into a lower portion of the second section such that the cooled medium flows substantially horizontally across the parts included in the respective frequency converters, and wherein the cabinet further includes an opening in an upper portion of the third section to allow air forced across the parts of the frequency converters to escape.